502148281 12/03/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------|----------------|
| Alain BRIGLIA | 10/01/2012 |
| Philippe COURT | 10/01/2012 |
| Arthur DARDE | 10/01/2012 |

RECEIVING PARTY DATA

| Name: | L'Air Liquide Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude |
|-----------------|--|
| Street Address: | 75 quai d'Orsay |
| City: | Paris |
| State/Country: | FRANCE |
| Postal Code: | F-75007 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13701686 |

CORRESPONDENCE DATA

Fax Number: 7136248950

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 713-624-8959

Email: jacqueline.teer@airliquide.com

Correspondent Name: Air Liquide USA LLC

Address Line 1: 2700 Post Oak Boulevard Suite 325

Address Line 2: IP Department, 22nd Floor Address Line 4: Houston, TEXAS 77056

| ATTORNEY DOCKET NUMBER: | SERIE 8389 |
|-------------------------|------------|
| | |

NAME OF SUBMITTER: Elwood L. Haynes

Total Attachments: 3

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> PATENT REEL: 029393 FRAME: 0707

CH \$40.00 13/0168

502148281

Assignment of Invention

| WHEREAS WE, BRIGLIA Alain, COURT Philippe and DARDE Arthur respectively, have invented certa | in |
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| new and useful improvements in "PROCESS AND APPARATUS FOR DRYING AND COMPRESSING A | Ę |
| CO ₂ -RICH STREAM" | |

WHEREAS L'Air Liquide, Société Anonyme pour l'Étude et l'Exploitation des Procédés Georges Claude, a French corporation having offices at 75 quai d'Orsay, F-75007 Paris, FRANCE (hereinafter referred to as "ASSIGNEE"), desires to acquire from BRIGLIA Alain, COURT Philippe and DARDE Arthur, the entire right, title and interest we have in and to said invention and in and to any Letters Patent that may be granted thereof in the United States and its territorial possessions;

NOW, THEREFORE, for valuable consideration, the receipt whereof is hereby acknowledged, we, by these presents do sell, assign and transfer unto said ASSIGNEE, effective as of the first priority date, the full and exclusive right to the said invention in the United States and its territorial possessions, including the right to claim priority of the above-mentioned patent application(s) in patent applications filed in or for any such foreign country, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions, and in and to any and all subsequent provisionals, non-provisionals, divisions, reissues, continuations, substitutions and renewals thereof.

We hereby authorize and request the Patent Office Officials in the United States and its territorial possessions to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.

Further, we agree that we will communicate to said ASSIGNEE or its representatives any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all non-provisional, divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions.

The undersigned hereby grants authorized representatives of the above identified ASSIGNEE the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

| Date: 01 OCTOBER 2012 | BRIGLIA Alain, Inventor | |
|------------------------------|--------------------------|--|
| Date: <u>01 OCTOBER 2012</u> | COURT Philippe, Inventor | |
| Dale: <u>01 OCTOBER 2012</u> | DARDE Arthur, Inventor | |

PATENT REEL: 029393 FRAME: 0708

Assignment of Invention

WHEREAS WE, BRIGLIA Alain, COURT Philippe and DARDE Arthur respectively, have invented certain new and useful improvements in "PROCESS AND APPARATUS FOR DRYING AND COMPRESSING A CO₂-RICH STREAM"

for which an application for Letters Patent was filed on December 3, 2012 having Application No. 13/701,686;

WHEREAS L'Air Liquide, Société Anonyme pour l'Étude et l'Exploitation des Procédés Georges Claude, a French corporation having offices at 75 quai d'Orsay, F-75007 Paris, FRANCE (hereinafter referred to as "ASSIGNEE"), desires to acquire from BRIGLIA Alain, COURT Philippe and DARDE Arthur, the entire right, title and interest we have in and to said invention and in and to any Letters Patent that may be granted thereof in the United States and its territorial possessions;

NOW, THEREFORE, for valuable consideration, the receipt whereof is hereby acknowledged, we, by these presents do sell, assign and transfer unto said ASSIGNEE, effective as of the first priority date, the full and exclusive right to the said invention in the United States and its territorial possessions, including the right to claim priority of the above-mentioned patent application(s) in patent applications filed in or for any such foreign country, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions, and in and to any and all subsequent provisionals, non-provisionals, divisions, reissues, continuations, substitutions and renewals thereof.

We hereby authorize and request the Patent Office Officials in the United States and its territorial possessions to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.

Further, we agree that we will communicate to said ASSIGNEE or its representatives any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all non-provisional, divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions.

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| Date: 01 OCTOBER 2012 | | |
|-----------------------|--|--|
| | BRIGLIA Alain, Inventor | |
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| | A Company of the Comp | |
| Date: 01 OCTOBER 2012 | COURT Philippe, Inventor | |
| | COOK Frimphe, inventor | |
| | | |
| | | |
| Date: 01 OCTOBER 2012 | | |
| | DARDE Arthur, Inventor | |

PATENT REEL: 029393 FRAME: 0709

Ref. No. Serie 8389

Assignment of Invention

| WHEREAS WE, B | RIGLIA Alain, | COURT Philippe | e and DARDE | Arthur respective | ely, have invented | certain |
|--------------------|-----------------|----------------|------------------|-------------------|--------------------|---------|
| new and useful imp | provements in " | PROCESS AND | APPARATUS | FOR DRYING A | ND COMPRESSI | NG A |
| CO2-RICH STREA | M" | | | | | |

for which an application for Letters Patent was filed on December 3, 2012 having Application No. 13/701,686

WHEREAS L'Air Liquide, Société Anonyme pour l'Étude et l'Exploitation des Procédés Georges Claude, a French corporation having offices at 75 quai d'Orsay, F-75007 Paris, FRANCE (hereinafter referred to as "ASSIGNEE"), desires to acquire from BRIGLIA Alain, COURT Philippe and DARDE Arthur, the entire right, title and interest we have in and to said invention and in and to any Letters Patent that may be granted thereof in the United States and its territorial possessions;

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| Date: 01 OCTOBER 2012 | BRIGLIA Alain, Inventor | |
|-----------------------|--------------------------|---|
| Date: 01 OCTOBER 2012 | COURT Philippe, Inventor | *************************************** |
| Date: 01 OCTOBER 2012 | DARDE Arthur; Inventor | ••••• |

PATENT REEL: 029393 FRAME: 0710

RECORDED: 12/03/2012